

# S P E C I F I C A T I O N

TITLE: IMPROVED CLOTHES HANGER

## Field of the Invention

The present invention relates to a clothes hanger of the type provided with a chip in the upper part of both shoulders of the hanger.

## Description of the Prior Art

Clothes hangers used to hold clothing items with shoulders are all, in their most simple conformation, made of a rigid, arch-shaped structure equipped with a central hook, with the arch shaped structure terminating with a substantially round shape on both sides.

For hung items provided with straps such as, for example, light clothes, underwear and similar items, hangers are employed which are equipped with a clip in the part above both shoulders, known in technical terms as a "notch," which forms the attachment of said straps. These hanger types are considerably lacking from the performance standpoint when they are used as common hangers for clothes with shoulders, in particular, light clothing items, such as shirts, T-shirts and other similar clothing articles. Such hangers, because of their specific conformation and the reduced arch dimensions are unable keep the articles of clothing hanging.

## Summary of the Invention

The object of the present invention is to provide a hanger of the type equipped with upper clips or "notches" which overcomes the drawbacks of such prior art hangers and in particular manifests an anti-slip action when used to hang clothes with shoulders, even of the light type.

A further object of the present invention is to provide a hanger of the type equipped with upper clips which results from easy and simple moulding manufacturing.

The first object of the invention is achieved by providing a hanger of the type with upper clips in which the anti-slip action is obtained by covering the two clips with an anti-slip material. The anti-slip material, such as rubber, may be applied on the clips using diverse methods, for example by over-moulding, by pasting and through smearing, all well-known in the present state of the art and normally employed in other types of clothes hangers.

The second object of the invention is achieved by providing a hanger of the type with upper clips in which the two clips form two separate elements with respect to the arch-shaped body. With this structural solution, it is therefore possible to make clips equipped with an anti-slip covering through a moulding operating separate from the moulding operation of the arched hanger body. Only subsequently are the separately formed clips applied on the shoulder of said body to form the final object.

Such working procedure, even if requiring two distinct moulding operations, that for achieving the arched body and that for achieving the clips equipped with anti-slip material, is however considerably advantageous with respect to a single operation moulding, followed by the application of anti-slip material, since it permits the use of more simplified and thus less costly moulds, while the time required to attach the two clips to the body, with automatic assembly systems, insignificantly effects the final cost of the object.

#### Brief Description of the Drawings

The invention will be more clearly understood with reference to its particular embodiment, given only as a non-limiting example, with the help of the attached drawings, in which:

Figure 1 shows a front elevational view of a clothes hanger according to the present invention;

Figure 2 is a top plan view of the clothes hanger of Figure 1;

Figure 3 shows a front elevational view of a clothes hanger according to the present invention with extractable upper clips;

Figure 4 is a view of a portion of the hanger of Figure 3 exploded;

Figure 5 is a view similar to Figure 4 showing the hanger assembled;

Figure 6 shows a frontal view of one form of clip; and

Figure 7 shows a frontal view of another form of clip.

### Detailed Description of the Invention

As shown in Figures 1 and 2, the hanger according to the present invention, indicated in its entirety with reference numeral 1, is composed of an arch-shaped body 2, at whose ends, on the upper part, clips 3 are present, covered by a layer of anti-slip material 4, deposited by over-moulding, smearing or pasting.

As is clear from Figures 3 to 5, in a particular embodiment of hanger 1, clips 3 are elements separate from body 2, to which they are attached by way of an elastic dap joint connection, preferably of the so-called "clip" type, achieved with pins 5, projecting below the header 6 of clip 3, said pins engaging in the recess 7 formed in body 2.

As is clearly seen in Figures 6 and 7, clip 3 may have header 6 covered with an anti-slip material, in a partial manner 4' (only on the upper part) or completely 4", in order to confer an anti-slip action even to the straps of hung clothes.

The method of manufacturing the hanger according to the present invention which is equipped with separate clips foresees the following work phases:

- (a) moulding of the arched body 2, equipped with recesses 7;
- (b) moulding of clips 3;

- (c) over-moulding, deposit by smearing or pasting on the clips 3 of the anti-slip material 4; and
- (d) mounting of the clips 3 on body 2.

Clearly, embodiments of the invention different from that described are possible, in particular the anchoring of clips 3 to body 2 may occur through mechanical means, laser welding, by pasting or other systems adapted for such purpose and known in the state of the art without departing from the scope of the following claims.